

CLAIM AMENDMENTS

1-9. (Cancelled)

10. (original) An apparatus used to control a wheel slip control magnet valve, said apparatus comprising:

- a) a logic control means for providing one of a release time and an application time together with a hold time;
- b) a change decision means connected to said logic control means for determining if said one of a release time and an application time, and said hold time have changed since a last cycle of said apparatus used to control a wheel slip control magnet valve;
- c) a valve timing set up means connected to said change decision means for setting said one of a release time and an application time, and said hold time if said one of a release time and an application time have changed;
- d) a pulse timing means connected to said change decision means and said valve timing set up means for determining if a remaining pulse time is equal to 0, and enabling a hold timing means if said remaining pulse time is equal to 0, and enabling a pulse timer decrement means if said remaining pulse time is greater than 0;
- e) a hold timing means connected to said pulse timing means for determining if a remaining hold time is equal to 0, and enabling a timer's reset means if said remaining hold time is equal to 0, and enabling a hold timer decrement means if said remaining hold time is greater than 0, said pulse timer decrement means and said hold timer decrement means for decrementing one of said remaining pulse time and said

remaining hold time, respectively, and for enabling a valve control means, said timer's reset means for resetting said pulse timing means and said hold timing means;

f) a valve control means connected to said pulse timer decrement means and said hold timer decrement means for enabling a magnet valve based on one of said pulse time and said hold time; and

g) an end interrupt routine means connected to said valve control means for one of ending a current repetition of controlling said wheel slip control magnet valve after one of said enabling said magnet valve, and resetting said pulse timing means and said hold timing means.

11. (original) An apparatus used to control a wheel slip control magnet valve, according to claim 10, said apparatus further including a closed loop feedback means disposed between said timer's reset means and said end interrupt routine means to recalibrate a current pulse time and a current hold time, if necessary.

12. (original) An apparatus used to control a wheel slip control magnet valve, according to claim 10, wherein said one of a release time and an application time and said hold time correspond to one of a plurality of pressure rate response values.

13. (original) An apparatus used to control a wheel slip control magnet valve, according to claim 10, wherein said pulse state, pulse time and hold time are stored in a microprocessor.

14.-19. (Cancelled)